



# Natural Aminos Lab

RESEARCH GRADE

## CERTIFICATE OF ANALYSIS

Research Grade

**QUALITY STATUS: REVIEW** Purity: >99.8% Assay: 57.8 mg

| Item              | Value                                                        |
|-------------------|--------------------------------------------------------------|
| Formula           | AICAR                                                        |
| Strength          | 50 mg/vial                                                   |
| Batch Number      | 7055AR                                                       |
| Molecular Formula | C <sub>9</sub> H <sub>14</sub> N <sub>4</sub> O <sub>5</sub> |
| Molecular Weight  | 258.23 g/mol                                                 |
| Date Tested       | 2026-07-03 17:10                                             |
| Retest Date       | N/A                                                          |
| Storage           | Store refrigerated (2–8°C). Protect from light.              |

| Test                    | Acceptance Criteria            | Result         |
|-------------------------|--------------------------------|----------------|
| AICAR Assay             | 50 mg labeled (90-110%)        | 57.8 mg REVIEW |
| Peptide Purity          | >=99.0%                        | >99.8%         |
| Identity by Spectrum    | Reported value                 | 991            |
| Identity by RT          | Reported value                 | 0.983          |
| Aerobic Microbial Count | 0-1000 CFU/g                   | 0 PASS         |
| Yeast and Mold Count    | 0-100 CFU/g                    | 0 PASS         |
| Bacterial Endotoxins    | 0-0.5 EU/mg                    | <0.001 PASS    |
| Elemental Impurities    | Within listed limits           | <0.001 PASS    |
| Reference Batch         | GF-AICAR50-8241                | REVIEW         |
| Overall Quality         | Assay and batch require review | REVIEW         |

### Conclusion

REVIEW: 57.8 mg assay equals 115.6% of the 50 mg label.

Source batch GF-AICAR50-8241 differs from target batch 7055AR.

**RESEARCHERS, LABORATORY USE ONLY**  
**NOT FOR HUMAN OR VETERINARY USE**